



STIC Search Report

Biotech-Chem Library

STIC Database Tracking Number: 114839

TO: Jeanine Goldberg
Location: rem/2e74
Art Unit: 1634
Friday, February 20, 2004

Case Serial Number: 10/009897

From: Barb O'Bryen
Location: Biotech-Chem Library
Remsen E01A69
Phone: 571-272-2518

Bob
barbara.obryen@uspto.gov

Search Notes

O'Bryen, Barbara

From: Goldberg, Jeanine
Sent: Friday, February 20, 2004 12:17 PM
To: O'Bryen, Barbara
Subject: RE: 10/009897-seq id no: 38

28 Please.
thanks

-----Original Message-----

From: O'Bryen, Barbara
Sent: Friday, February 20, 2004 12:17 PM
To: Goldberg, Jeanine
Subject: RE: 10/009897-seq id no: 38

Jeanine,
In the subject line you have seq 38, but the message has seq 28. Which is correct?
Thanks,
Barb

-----Original Message-----

From: Goldberg, Jeanine
Sent: Friday, February 20, 2004 12:10 PM
To: O'Bryen, Barbara
Subject: 10/009897-seq id no: 38

Can you please tell me if SEQ ID NO: 28 has any hits compared to patent 6,495,110 searching only against this patent.

THANKS

6495110

Jeanine Enewold Goldberg
1634
571-272-0743
REM 2E74

STIC-ILL

Mc

From: Goldberg, Jeanine
Sent: Friday, February 20, 2004 11:46 AM
To: STIC-ILL
Subject: please pull hiv reference

483360

1. Korber et al. 1997 Human Retroviruses and AIDS: a Complication and analysis of Nucleic Acid and Amoni Acid Sequences, Pp. 118-190. Los Alamos, NM Los ALamos National Labratory..

THANKS

Jeanine Enewold Goldberg
1634
571-272-0743
REM 2E74

806.20

UHM 2/23

2 ACATTAACACTGCGATT 20
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 1539 ACATTAACATGCGATT 1520

SULT 3
 -09-184-418C-6/c
 Sequence 61, Application US/09184418C
 Patent No. 6492110
 GENERAL INFORMATION:
 APPLICANT: Hahn, Beatrice
 APPLICANT: Gao, Feng
 APPLICANT: Shaw, George
 TITLE OF INVENTION: CLONES AND SEQUENCES FOR NON-SUBTYPE B ISOLATES OF HUMAN
 FILE REFERENCE: D6287
 CURRENT APPLICATION NUMBER: US/09/184,418C
 CURRENT FILING DATE: 1999-11-02
 NUMBER OF SEQ ID NOS: 112
 SEQ ID NO 107
 LENGTH: 2574
 TYPE: DNA
 ORGANISM: Human immunodeficiency virus type 1
 FEATURE:
 OTHER INFORMATION: isolate=94IN476-104; gene=env
 US-09-184-418C-107

Query Match 79.9%; Score 15.6; DB 1; Length 2574;
 Best Local Similarity 81.8%; Pred. No. 1.6;
 Matches 18; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 1 CACAAATTAAACTGTGCATTAC 22
 Db 1120 CACAAATTAAAGCTATGTGTAC 1099

RESULT 6
 US-09-184-418C-104/c
 Sequence 104, Application US/09184418C
 Patent No. 6492110
 GENERAL INFORMATION:
 APPLICANT: Hahn, Beatrice
 APPLICANT: Gao, Feng
 APPLICANT: Shaw, George
 TITLE OF INVENTION: CLONES AND SEQUENCES FOR NON-SUBTYPE B ISOLATES OF HUMAN
 FILE REFERENCE: D6287
 CURRENT APPLICATION NUMBER: US/09/184,418C
 CURRENT FILING DATE: 1999-11-02
 NUMBER OF SEQ ID NOS: 112
 SEQ ID NO 104
 LENGTH: 2652
 TYPE: DNA
 ORGANISM: Human immunodeficiency virus type 1
 FEATURE:
 OTHER INFORMATION: isolate=93BR029; gene=rev
 -09-184-418C-61

Query Match 79.1%; Score 17.4; DB 1; Length 2652;
 Best Local Similarity 94.7%; Pred. No. 0.33;
 Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

2 ACATTAACACTGCGATT 20
 ||||| ||||| |||||
 1399 ACATTAACATGCGATT 1381

SULT 4
 -09-184-418C-6/c
 Sequence 6, Application US/09184418C
 Patent No. 6492110
 GENERAL INFORMATION:
 APPLICANT: Hahn, Beatrice
 APPLICANT: Gao, Feng
 APPLICANT: Shaw, George
 TITLE OF INVENTION: CLONES AND SEQUENCES FOR NON-SUBTYPE B ISOLATES OF HUMAN
 FILE REFERENCE: D6287
 CURRENT APPLICATION NUMBER: US/09/184,418C
 CURRENT FILING DATE: 1999-11-02
 NUMBER OF SEQ ID NOS: 112
 SEQ ID NO 6
 LENGTH: 8954
 TYPE: DNA
 ORGANISM: Human immunodeficiency virus type 1
 FEATURE:
 OTHER INFORMATION: isolate=93BR029; 142..1579:gene="gag"; 1437..4448:gene="pol";
 OTHER INFORMATION: 4393..4971:gene="vif"; 4911..5201:gene="vpr";
 OTHER INFORMATION: 5182..7782:gene="tat"; 5321..7792:gene="rev";
 OTHER INFORMATION: 5586..8114:gene="env"; 8116..8736:gene="nef";
 -09-184-418C-6

Query Match 79.1%; Score 17.4; DB 1; Length 8954;
 Best Local Similarity 94.7%; Pred. No. 0.43;
 Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

2 ACATTAACACTGCGATT 20
 ||||| ||||| |||||
 6719 ACATTAACATGCGATT 6701

SULT 5
 -09-184-418C-107/c

Query Match 70.9%; Score 15.6; DB 1; Length 2574;
 Best Local Similarity 81.8%; Pred. No. 1.6;
 Matches 18; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 1 CACAAATTAAACTGTGCATTAC 22
 Db 1526 CACAAATTAAAGCTATGTGTAC 1505

RESULT 7
 US-09-184-418C-105/c
 Sequence 105, Application US/09184418C
 Patent No. 6492110
 GENERAL INFORMATION:
 APPLICANT: Hahn, Beatrice
 APPLICANT: Gao, Feng
 APPLICANT: Shaw, George
 TITLE OF INVENTION: CLONES AND SEQUENCES FOR NON-SUBTYPE B ISOLATES OF HUMAN
 FILE REFERENCE: D6287
 CURRENT APPLICATION NUMBER: US/09/184,418C
 CURRENT FILING DATE: 1999-11-02

NUMBER OF SEQ ID NOS: 112
 EQ ID: NO 105
 LENGTH: 2651
 TYPE: DNA
 ORGANISM: Human immunodeficiency virus type 1
 FEATURE: OTHER INFORMATION: isolate=94IN476.104; gene=rev
 09-184-418C-105

very Match est Local Similarity 70.9%; Score 15.6; DB 1; Length 2651;
 matches 18; Conservative 81.8%; Pred. No. 1.6;
 0; Mismatches 4; Indels 0; Gaps 0;

QLT 8
 09-184-418C-11/c
 sequence NO. 6492110
 ENERAL INFORMATION:
 APPLICANT: Hahn, Beatrice
 APPLICANT: Gao, Feng
 APPLICANT: Shaw, George
 TITLE OF INVENTION: CLONES AND SEQUENCES FOR NON-SUBTYPE B ISOLATES OF HUMAN
 VIRUS

FILE REFERENCE: D6287
 CURRENT APPLICATION NUMBER: US/09/184,418C
 CURRENT FILING DATE: 1999-11-02
 SEQ ID NO 41
 LENGTH: 2640
 TYPE: DNA
 ORGANISM: Human immunodeficiency virus type 1
 FEATURE:
 OTHER INFORMATION: isolate=92RW009; gene=tat
 US-09-184-418C-41

Query Match est Local Similarity 70.9%; Score 15.6; DB 1; Length 2640;
 matches 17; Conservative 81.8%; Pred. No. 2.3;
 0; Mismatches 3; Indels 0; Gaps 0;

QLT 10
 US-09-184-418C-41/c
 sequence 41, Application US/09184418C
 ; Patent No. 6492110
 ; GENERAL INFORMATION:
 ; APPLICANT: Hahn, Beatrice
 ; APPLICANT: Gao, Feng
 ; APPLICANT: Shaw, George
 ; TITLE OF INVENTION: CLONES AND SEQUENCES FOR NON-SUBTYPE B ISOLATES OF HUMAN
 ; VIRUS

FILE REFERENCE: D6287
 CURRENT APPLICATION NUMBER: US/09/184,418C
 CURRENT FILING DATE: 1999-11-02
 SEQ ID NO 41
 LENGTH: 2640
 TYPE: DNA
 ORGANISM: Human immunodeficiency virus type 1
 FEATURE:
 OTHER INFORMATION: isolate=92RW009; gene=tat
 US-09-184-418C-41

Query Match est Local Similarity 70.9%; Score 15.6; DB 1; Length 2640;
 matches 17; Conservative 81.8%; Pred. No. 2.3;
 0; Mismatches 3; Indels 0; Gaps 0;

QLT 11
 US-09-184-418C-42/c
 sequence 42, Application US/09184418C
 ; Patent No. 6492110
 ; GENERAL INFORMATION:
 ; APPLICANT: Hahn, Beatrice
 ; APPLICANT: Gao, Feng
 ; APPLICANT: Shaw, George
 ; TITLE OF INVENTION: CLONES AND SEQUENCES FOR NON-SUBTYPE B ISOLATES OF HUMAN
 ; VIRUS

FILE REFERENCE: D6287
 CURRENT APPLICATION NUMBER: US/09/184,418C
 CURRENT FILING DATE: 1999-11-02
 SEQ ID NO 42
 LENGTH: 2658
 TYPE: DNA
 ORGANISM: Human immunodeficiency virus type 1
 FEATURE:
 OTHER INFORMATION: isolate=92RW009; gene=rev
 US-09-184-418C-42

Query Match est Local Similarity 70.9%; Score 15.6; DB 1; Length 2658;
 matches 17; Conservative 81.8%; Pred. No. 2.3;
 0; Mismatches 3; Indels 0; Gaps 0;

QLT 9
 09-184-418C-44/c
 sequence 44, Application US/09184418C
 ; Patent No. 6492110
 ENERAL INFORMATION:
 APPLICANT: Hahn, Beatrice
 APPLICANT: Gao, Feng
 APPLICANT: Shaw, George
 TITLE OF INVENTION: CLONES AND SEQUENCES FOR NON-SUBTYPE B ISOLATES OF HUMAN
 VIRUS

FILE REFERENCE: D6287
 CURRENT APPLICATION NUMBER: US/09/184,418C
 CURRENT FILING DATE: 1999-11-02
 SEQ ID NO 44
 LENGTH: 2583
 TYPE: DNA
 ORGANISM: Human immunodeficiency virus type 1
 FEATURE:
 OTHER INFORMATION: isolate=92RW009; gene=env
 09-184-418C-44

RESULT 12

09-184-418C-4/C
 Sequence 4, Application US/09184418C
 Patient No. 6492110
 GENERAL INFORMATION:
 APPLICANT: Hahn, Beatrice
 Gao, Feng
 APPLICANT: Shaw, George
 TITLE OF INVENTION: CLONES AND SEQUENCES FOR NON-SUBTYPE B ISOLATES OF HUMAN IMMUNODEFICIENCY VIRUS TYPE 1
 CURRENT APPLICATION NUMBER: US/09/184,418C
 CURRENT FILING DATE: 1999-11-02
 NUMBER OF SEQ ID NOS: 112
 SEQ ID NO 4
 LENGTH: 8992
 TYPE: DNA
 ORGANISM: Human immunodeficiency virus type 1
 FEATURE:
 OTHER INFORMATION: isolate=g0R0001; 139.1674:999; 1690.4428:pol (N-terminus uncertain)
 OTHER INFORMATION: 4373.4951:vif; 4891.5181:vpr; 5162.7881:tat; 5301.7958:rev;
 OTHER INFORMATION: 5403.5648:vpu; 5566.8148:env; 8150.8773:nef
 -09-184-418C-4

Query Match 69.1%; Score 15.2; DB 1; Length 8992;
 Best Local Similarity 85.0%; Pred. No. 2,9;
 Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

1 CACATTAAACTGTGCACTT 20
 ||||| ||||| ||||| |||||
 6700 CACATTAAACTGTGCACTT 66601

SU13
 09-184-418C-36/C
 Sequence 36, Application US/09184418C
 Patient No. 6492110
 GENERAL INFORMATION:
 APPLICANT: Hahn, Beatrice
 Gao, Feng
 APPLICANT: Shaw, George
 TITLE OF INVENTION: CLONES AND SEQUENCES FOR NON-SUBTYPE B ISOLATES OF HUMAN IMMUNODEFICIENCY VIRUS TYPE 1
 FILE REFERENCE: D6287
 CURRENT APPLICATION NUMBER: US/09/184,418C
 CURRENT FILING DATE: 1999-11-02
 NUMBER OF SEQ ID NOS: 112
 SEQ ID NO 36
 LENGTH: 2538
 TYPE: DNA
 ORGANISM: Human immunodeficiency virus type 1
 FEATURE:
 OTHER INFORMATION: isolate=g0CR056; Gene=env
 -09-184-418C-36

Query Match 64.5%; Score 14.2; DB 1; Length 2538;
 Best Local Similarity 84.2%; Pred. No. 5,4;
 Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

2 ACAATTAAACTGTGCACTT 20
 ||||| ||||| ||||| |||||
 1107 ACAATTAAACTGTGCACTT 10889

SU14
 -09-184-418C-54/C
 Sequence 54, Application US/09184418C
 Patient No. 6492110
 GENERAL INFORMATION:
 APPLICANT: Hahn, Beatrice
 Gao, Feng
 APPLICANT: Shaw, George
 TITLE OF INVENTION: CLONES AND SEQUENCES FOR NON-SUBTYPE B ISOLATES OF HUMAN IMMUNODEFICIENCY VIRUS TYPE 1
 CURRENT APPLICATION NUMBER: US/09/184,418C
 CURRENT FILING DATE: 1999-11-02
 NUMBER OF SEQ ID NOS: 112
 SEQ ID NO 54
 LENGTH: 2538
 TYPE: DNA
 ORGANISM: Human immunodeficiency virus type 1
 FEATURE:
 OTHER INFORMATION: isolate=g0CR056; Gene=env
 -09-184-418C-54

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FILE REFERENCE: D6287
; CURRENT APPLICATION NUMBER: US/09/184,418C
; CURRENT FILING DATE: 1999-11-02
; NUMBER OF SEQ ID NOS: 112
; SEQ ID NO: 54
; LENGTH: 2538
; TYPE: DNA
; ORGANISM: Human immunodeficiency virus type B
; FEATURE:
; OTHER INFORMATION: isolate=92N9G003; gene=env
US-09-184-418C-54

Query Match 64.5%; Score 14.2;
Best Local Similarity 84.2%; Pred. No. 5
Matches 16; Conservative 0; Mismatch 0

Oy          2 ACATTAAGACTGTGCATT 20
Db          1119 ACATTAAGACTATGTTT 11:01

RESULT 15
US-09-184-418C-18/C
; Sequence 18, Application US/09184418C
; Patent No. 149110
; GENERAL INFORMATION:
; APPLICANT: Hahn, Beatrix
; APPLICANT: Geo, Peng
; APPLICANT: Shaw, George
; TITLE OF INVENTION: CLONES AND SEQUENCES FOR IMMUNODERFICENCY VIRUS
; FILE REFERENCE: D6287
; CURRENT APPLICATION NUMBER: US/09/184,418C
; CURRENT FILING DATE: 1999-11-02
; NUMBER OF SEQ ID NOS: 112
; SEQ ID NO: 18
; LENGTH: 2541
; TYPE: DNA
; ORGANISM: Human immunodeficiency virus type B
; FEATURE:
; OTHER INFORMATION: isolate=93BR020; gene=env
US-09-184-418C-18

Query Match 64.5%; Score 14.2;
Best Local Similarity 84.2%; Pred. No. 5
Matches 16; Conservative 0; Mismatch 0

Oy          2 ACATTAAGACTGTGCATT 20
Db          1114 ACATTAAGACTATGCCCT 11:16

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